



**Formosa Plastics®**

Formolene® HDPE

### Formolene® HB6007

**A Homopolymer High Density Polyethylene (HDPE) Resin Designed for Liquid Food Blow Molding Applications**

Formolene® HB6007 is a high quality product for those critical food packaging requirements. It also has good stiffness properties.

Formolene® HB6007 meets all requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520, covering safe use of polyolefin articles intended for direct food contact.

#### Suggested Applications:

Milk Soft Drink Concentrate  
Distilled Water Fruit Juice, etc.

#### Nominal Physical Properties:

| PROPERTY*                                    | ASTM TEST METHOD | English  |         | SI       |       |
|----------------------------------------------|------------------|----------|---------|----------|-------|
|                                              |                  | UNIT     | VALUE   | UNIT     | VALUE |
| Density                                      | D1505            | g/cc     | 0.964   | g/cc     | 0.964 |
| Melt Index, Condition E, 190°C/2.16 kg       | D1238            | g/10 min | 0.70    | g/10 min | 0.70  |
| Environmental Stress Crack Resistance (ESCR) |                  |          |         |          |       |
| Condition B, F <sub>50</sub> (100% Igepal)   | D1693            | h        | 15-20   | h        | 15-20 |
| Tensile Yield Strength                       | D638             |          |         |          |       |
| 2" (50 mm) per min.                          | Type IV          | psi.     | 4400    | MPa      | 30    |
| Ultimate Elongation                          | D638             |          |         |          |       |
| 2" (50 mm) per min.                          | Type IV          | %        | >300    | %        | >300  |
| Brittleness Temperature                      | D746             | °F       | <-180   | °C       | <-118 |
| Flexural Modulus                             | D790             | psi.     | 240,000 | MPa      | 1654  |

\* Physical properties reported herein were determined on compression molded specimens prepared in accordance with Procedure C of ASTM D4703, Annex A1.

The nominal properties reported herein are typical of the product but do not reflect normal testing variance and therefore should not be used for specification purposes.

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